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(54) 3-AMINO-2-SUBSTITUTED BENZOYLACRYLIC ACID DERIVATIVE

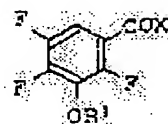
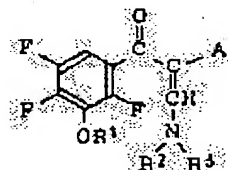
(57)Abstract:

NEW MATERIAL: The compound of formula I (R¹ is lower alkyl; R² and R³ are alkyl or together form a cyclic amino with bonded N and in some case with O, S, SO or SO₂; A is nitrile or lower alkoxy carbonyl).

EXAMPLE: 3-Dimethylamino-2-(3-methoxy-2,4,5-trifluorobenzoyl)acrylic acid methyl ester.

USE: A synthetic intermediate for 8-alkoxyquinolonecarboxylic acid derivative useful as an antibacterial agent.

PREPARATION: The compound of formula I can be produced by reacting a substituted benzoyl halide compound of formula II (X is halogen) with a 3-aminoacrylic acid derivative of formula III in a solvent (e.g. THF) in the presence of a base (e.g. triethylamine) at -30W170° C.



LEGAL STATUS

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